

Fig.1.

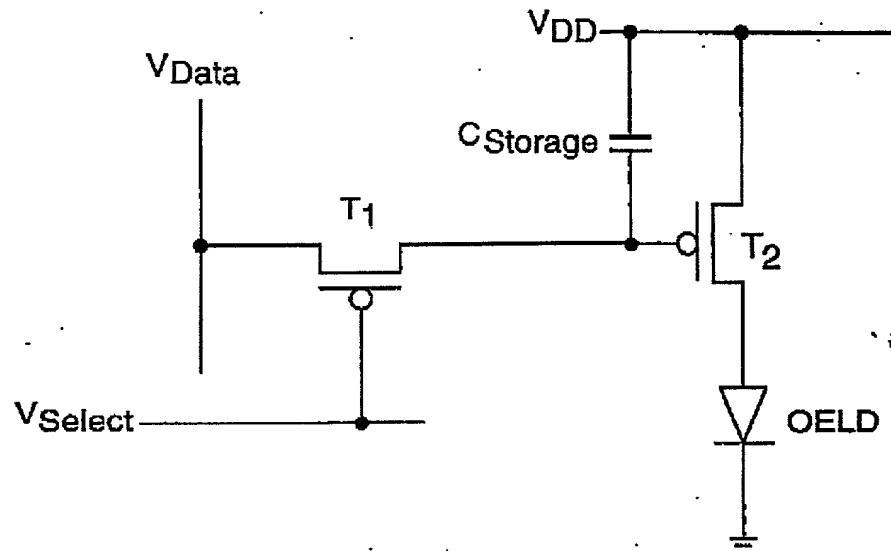


Fig.2.

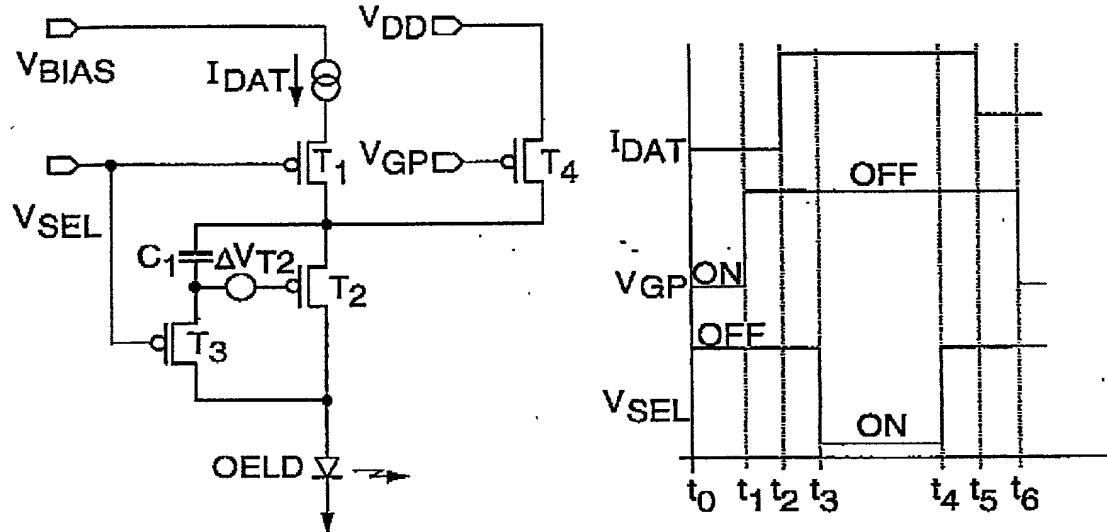


Fig.3.

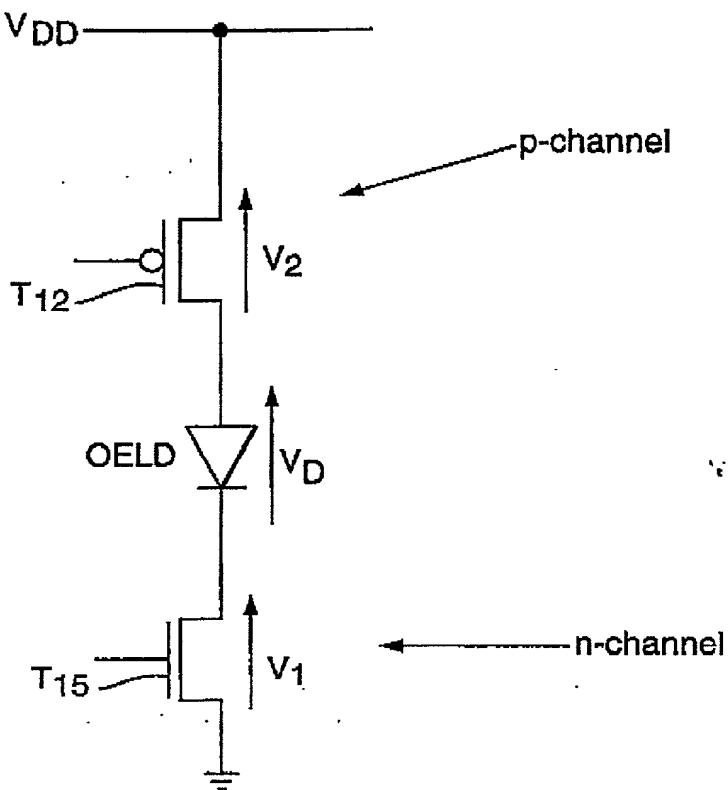


Fig.4.

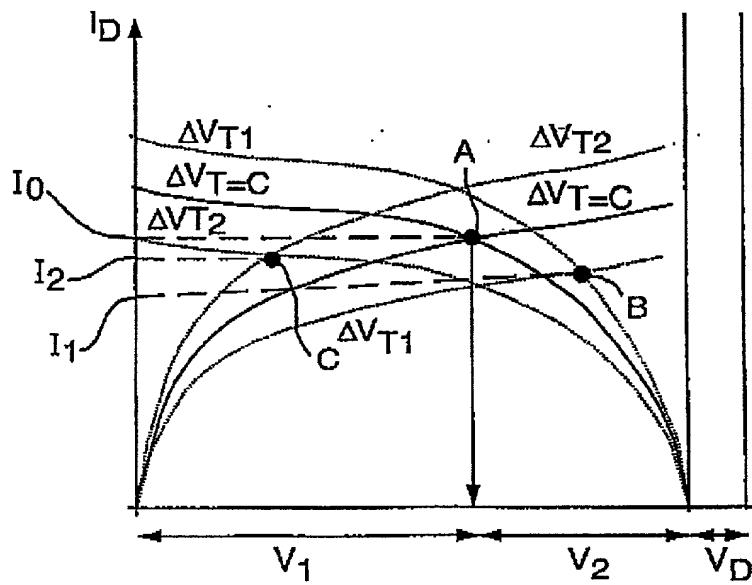


Fig.5.

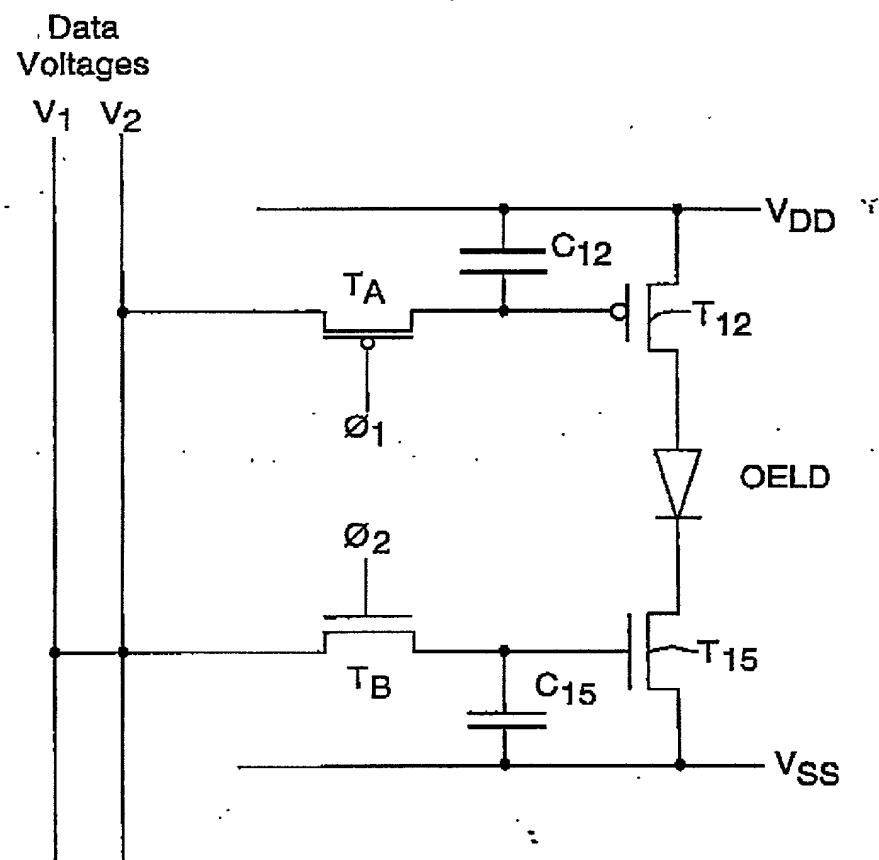
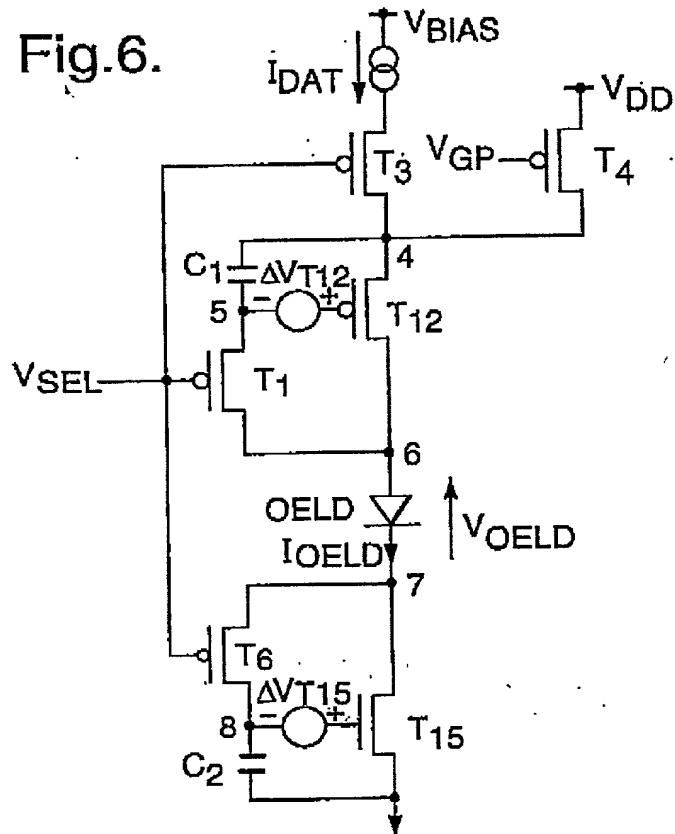


Fig.6.



DRIVING WAVEFORM

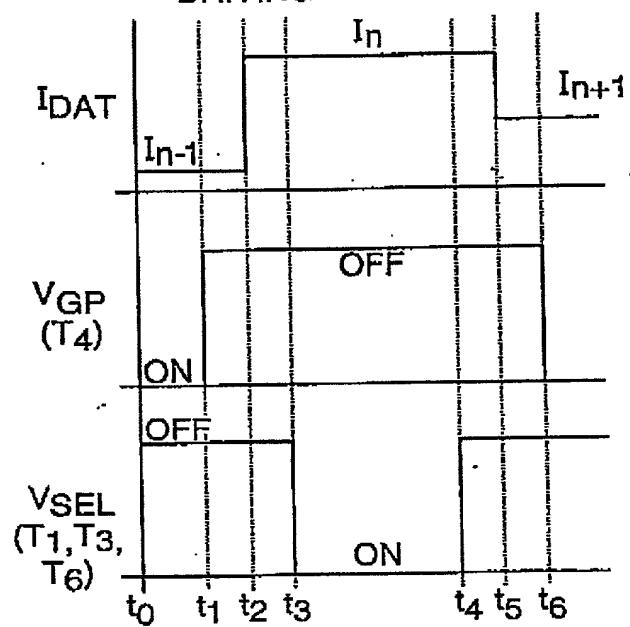


Fig.7.

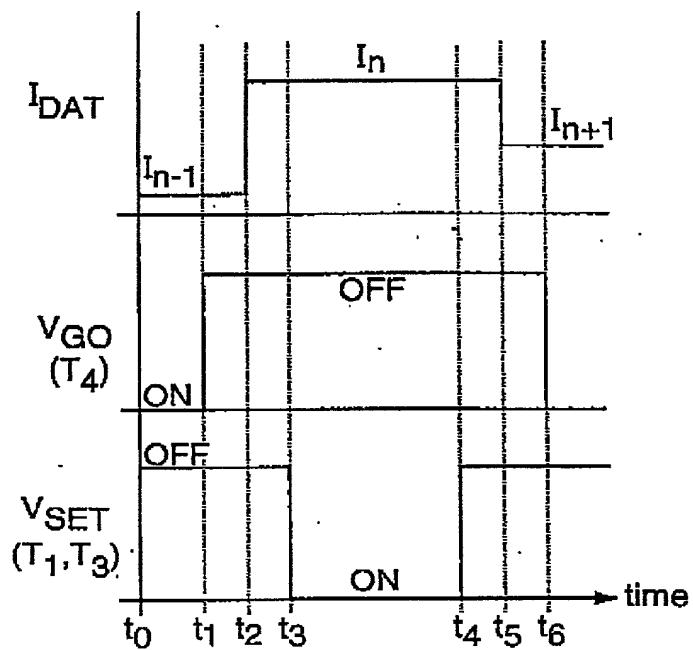
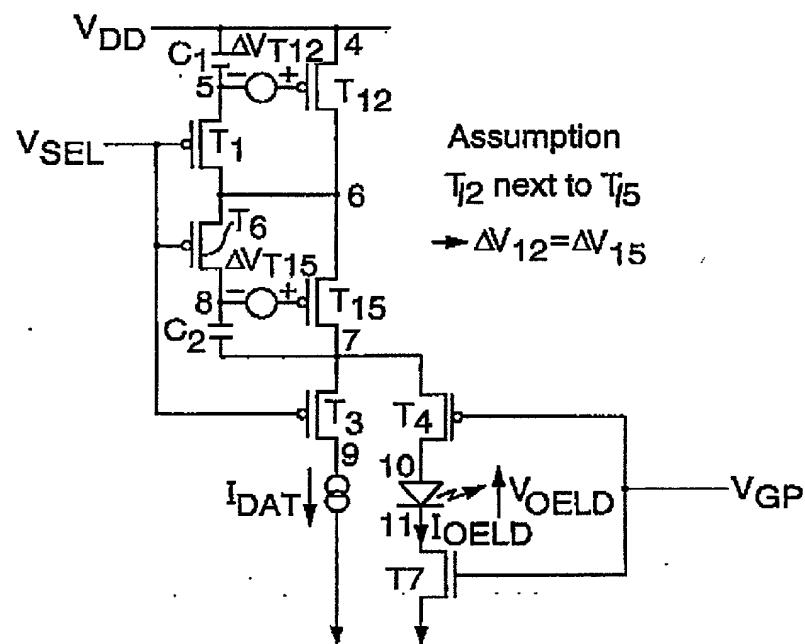


Fig.8. SPICE Simulation Result ($V_{DD} = 12.5V$, $I_{DAT} = 1\mu A$)

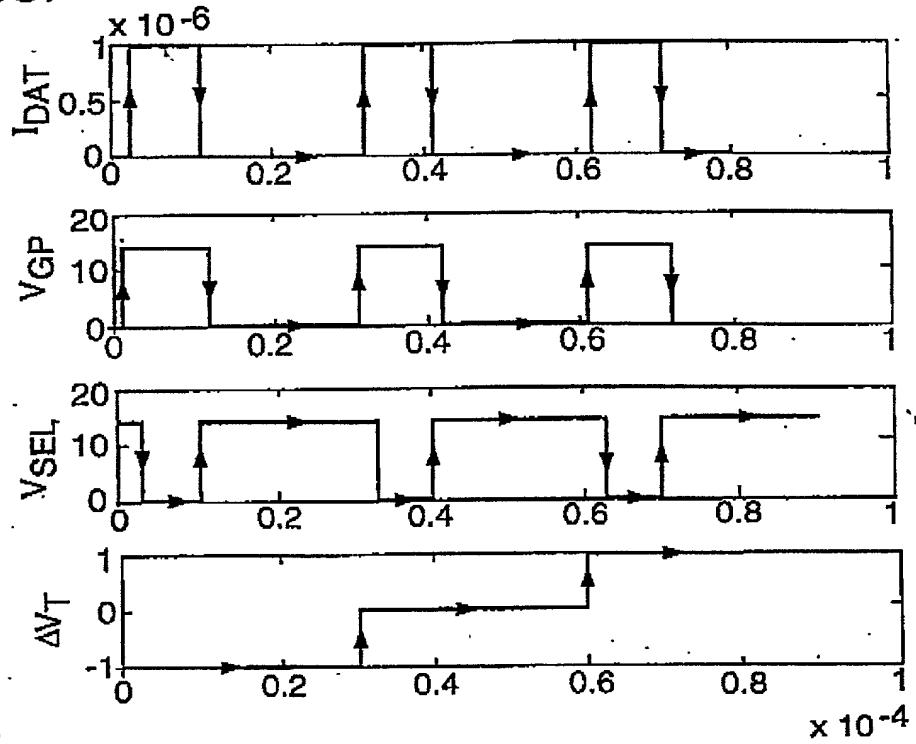


Fig.9. $\times 10^{-6}$

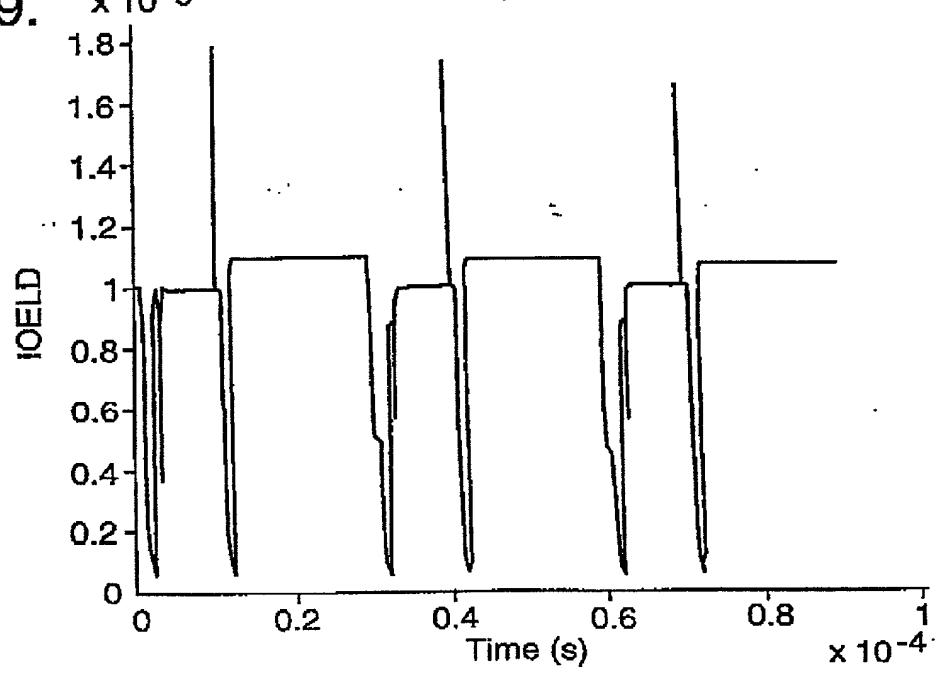


Fig.10. $\times 10^{-6}$ Magnified I_{OELD} Response

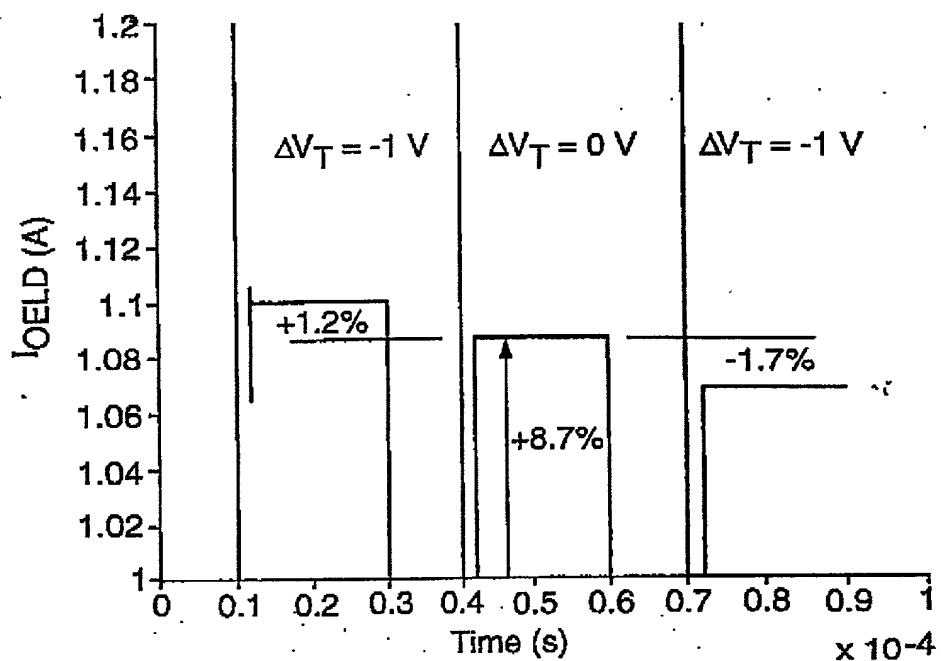


Fig.11.

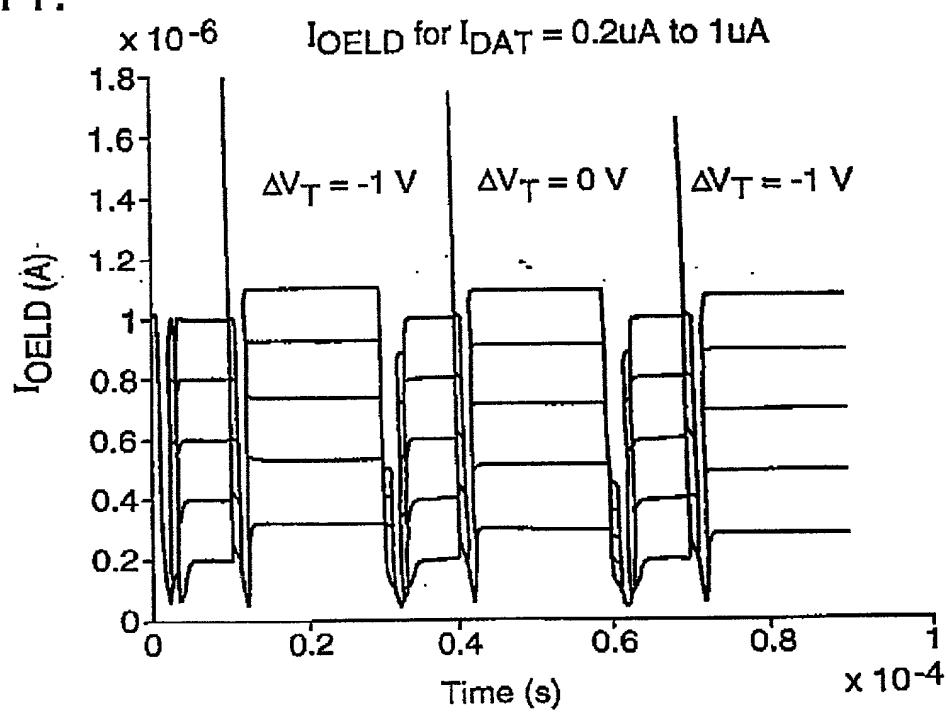


Figure 12

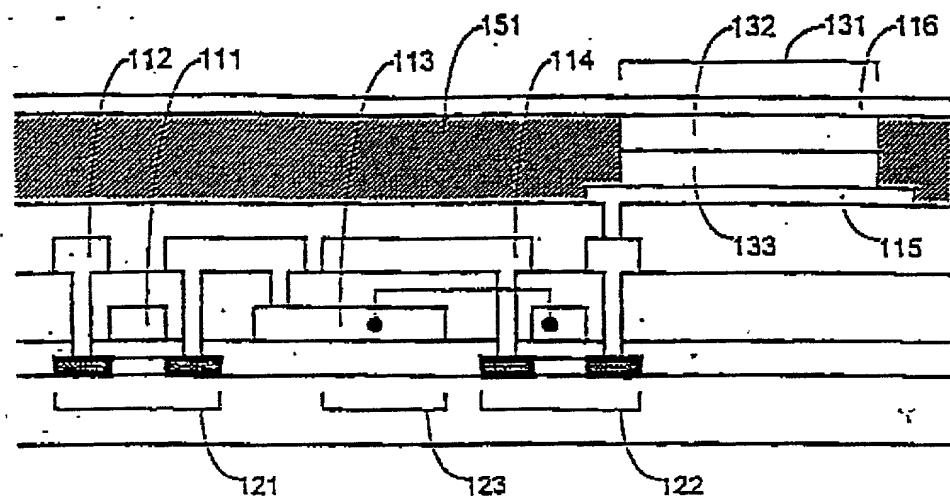


Figure 13

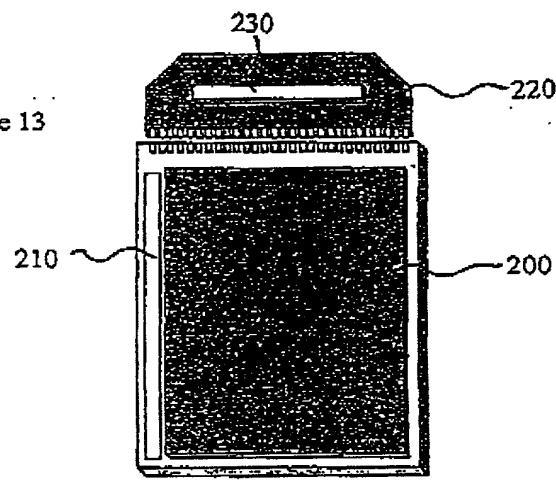
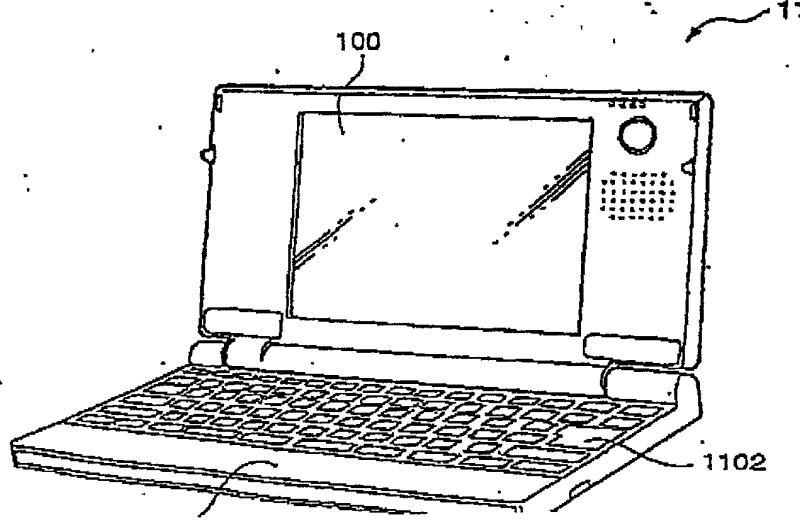


Figure 14



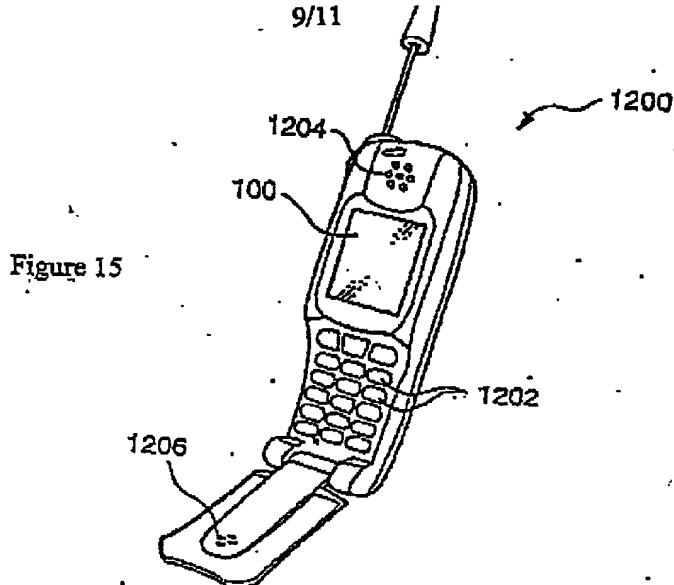


Figure 15

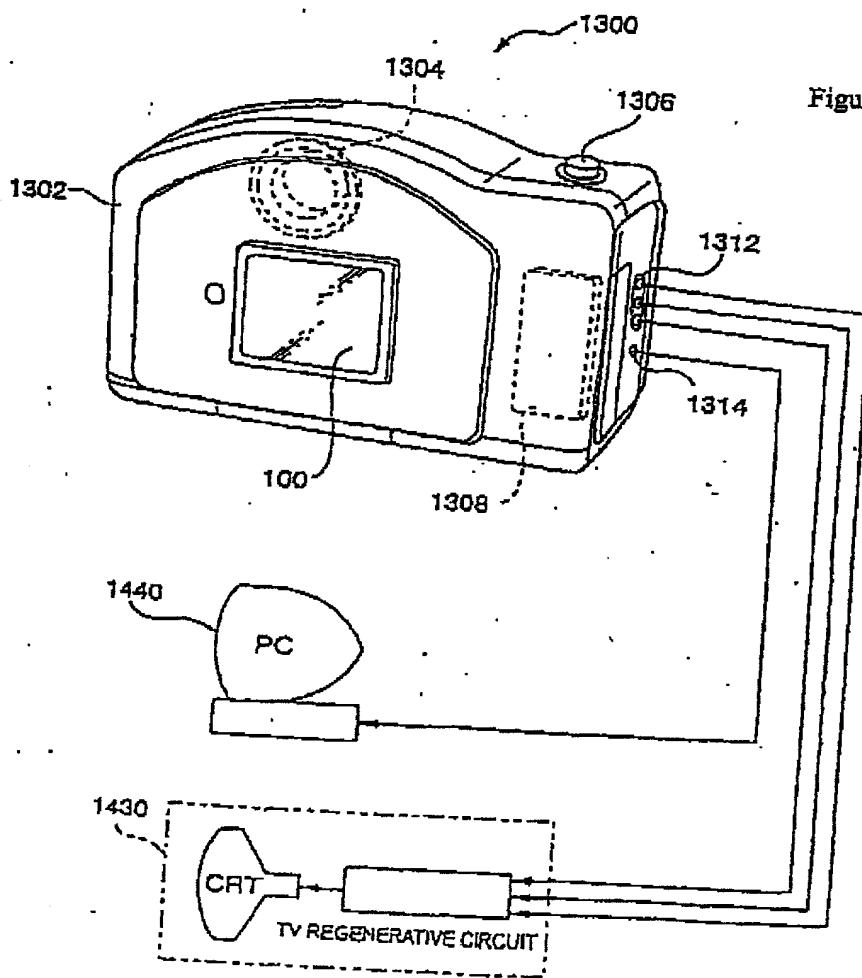


Figure 16

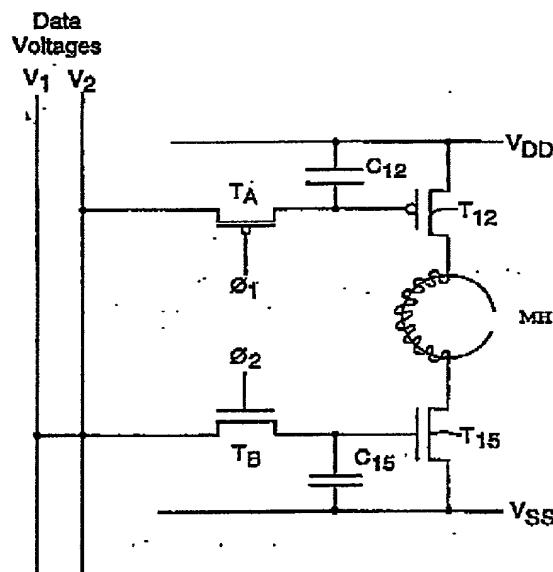


Figure 17

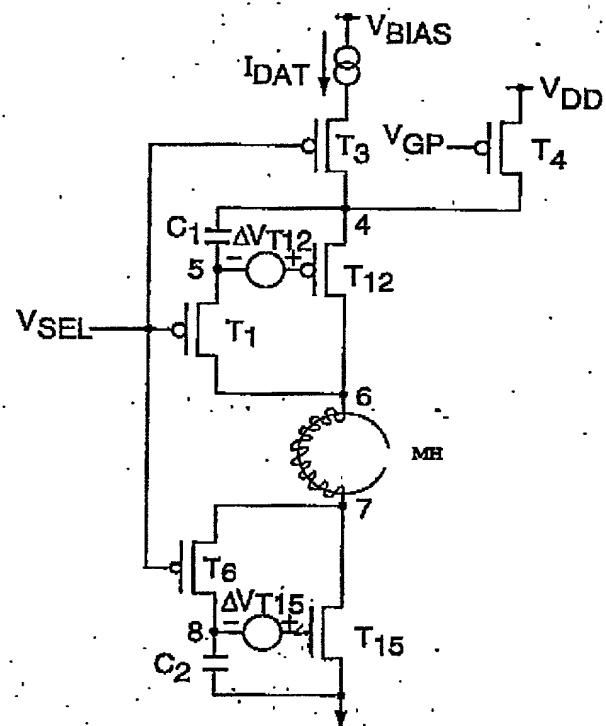


Figure 18

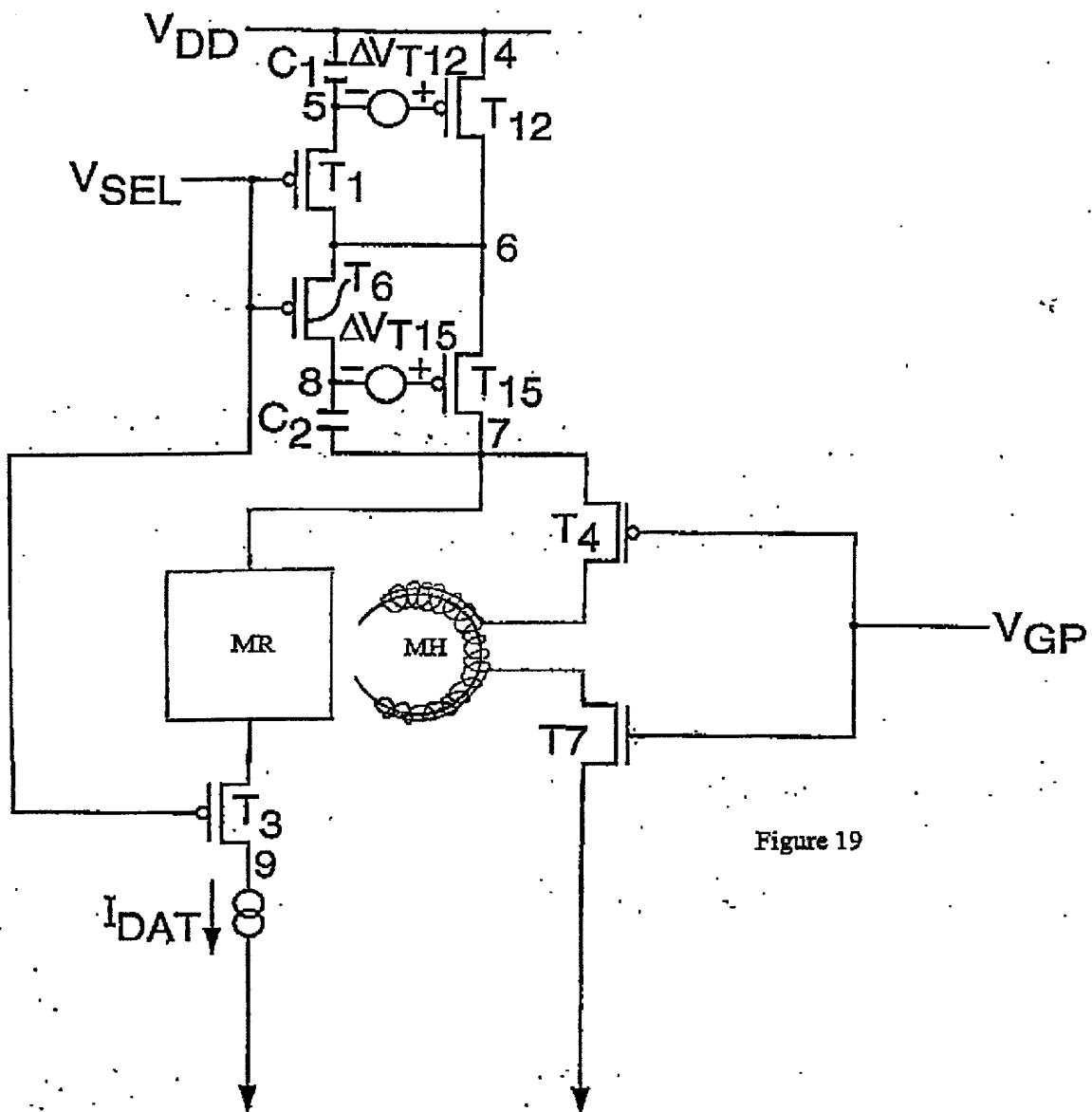


Figure 19